Sectionalizing Primary Cable Fault Locator

■ **Hipotronics' X-WAVE** is the most advanced, safest, and powerful cable fault-locating tool on the market for sectionalizing your URD loop feed installations. Used together with the Hipotronics **FlashPhone**, it makes short work of URD Sectionalizing of cable faults.

Hipotronics X-WAVE is a fully self contained, battery operated and weatherproof unit. The controller is microprocessor-based with large weather tight push buttons and optical encoder knob with user-friendly sequencing for ease of operation. The integrated emergency stop button, isolated return, and unique mechanical design ensures user safety. The Hipotronics X-WAVE was specifically designed to shorten restoration time and increase productivity for today's utilities, resulting in an improved SAIDI index.



FEATURES

- ☑ **Automatic Identification** of Key Cable Parameters (cable length and distance to fault)
- ☑ **Quick Location of Faults**
- ☑ **Accessible Memory Locations** for Internal Trace Storage
- ☑ **Large LCD Display** designed with a trans-reflective film for use in direct sunlight
- ☑ **Automatic Setup** of sampling rate, gain and pulse width
- ☑ **Intuitive Step-by-Step Instructions** ensures ease of operation
- ☑ **Large, Easy-to-Use** Buttons
- ☑ **Proof Tester** 500V to 10kV dc variable output

BENEFITS

Safety – Isolated return & all front panel parts securely grounded for safe operation of the unit

Multi-Purpose Device - has ability to pre-locate, locate and diagnose cable faults

Easy to Use - device walks user through test procedure; in 5 easy steps you've located the fault

Serial Port – allows for waveform download and evaluation of test results

Reduce Outage Time - by quickly locating cable faults you reduce outage time and get power back to your customers sooner

Reduce Cable Damage - using a TDR reduces thumping and therefore damage to the cable

APPLICATIONS

These devices are generally used by:

- ➔ **Electrical Utilities**
- ➔ **Test Companies**
- ➔ **Petrochemical**
- ➔ **Mining Facilities**
- ➔ **Facility Maintenance**

USER INTERFACE



The X-Wave is operated by large, color-coded push buttons and a single rotary knob selector. The MODE button is used to access the main menu.

EXTRAS



NOW AVAILABLE: Free X-Wave product demonstration video and overview of features. See our YouTube channel, *HipotronicsVideo*.

TECHNICAL SPECIFICATIONS

General

Input Voltage	24V DC	Installed rechargeable battery pack		
Pulse Characteristics	Pulse Amplitude	160V into 50 Ω	Pulse Width	50ns to 400ns
Output Voltage	500V -10kV, 12.5mA maximum current			
Impulse (thumper) Energy	350J @ 10kV			
Repetition Rate	6s @ 10kv			
Cable Range	50' (15m) – 10,000' (3kM)			
Measurement Accuracy	Sample Rate 80MHz		Resolution ±1% of total cable length	
Operational Modes	Arc Reflection (HV TDR), TDR Direct(LV TDR), DC Hipot, Thump			
Monitor	Trans-reflective Mono Chrome LCD Display - 6.5" (165mm)			
Battery Life	More than 1 hour at max voltage			
Environment	Operating Temperature Storage Temperature		10°F to 122°F (-12°C to 50°C) -40°F to 140°F (-40°C to 60°C)	

Weights and Dimensions (W x H x D, net weight, ship weight)

X-WAVE	16.5"(419mm) x 17.5"(445mm) x 9" (229mm)	42lbs (19kg)	50lbs (22.5kg)

SCOPE OF SUPPLY

Qty. 1 X-WAVE incorporated in portable, water resistant case
Qty. 1 15 ft (3m) HV Output cable and ground cable
Qty. 1 100/240V - 50/60Hz, Battery Charger, with 6 ft (1.8 m) cord
Qty. 1 Operations Manual
Qty. 1 Calibration Certificate

ORDERING INFORMATION

System

URD Cable Sectionalizer	**X-WAVE**

Accessories

FlashPhone	**H-Flash**
Auxiliary Batter Pack	**XWAVE-BATTERY**
Auxiliary AC Power Adapter	**XWAVE-POWER**

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